GOVERNMENT OF INDIA
HOUSING AND URBAN AFFAIRS
LOK SABHA

UNSTARRED QUESTION NO:1697
ANSWERED ON:26.07.2017
Waste Management under SBM
Udasi Shri Shivkumar Chanabasappa

Will the Minister of HOUSING AND URBAN AFFAIRS be pleased to state:

Will the Minister of HOUSING AND URBAN AFFAIRS be pleased to state:

(a) the details of waste management in cities and towns of the country under Swachh Bharat Mission (SBM);

(b) the details of the practices, innovations and technologies in waste management; and

(c) whether the Government proposes to generate electricity, compost and chemical fertilizers from municipal solid waste and biodegradable waste and if so, the details thereof ?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF HOUSING AND URBAN AFFAIRS

(RAO INDERJIT SINGH)

(a): The details of waste management in cities and towns of the country under Swachh Bharat Mission (SBM) is placed at Annexure-I.

(b): Population based technological options to manage Municipal Solid Waste (MSW) in a variety of Towns and Cities is given in the "Task Report of the Task Force on Waste to Energy" published by Planning Commission (NITI Aayog). Waste management technologies including Waste-to-Compost technologies, like Conventional Composting, Vermi-composting, window composting, stack composting etc and Waste-to Energy technologies like Pyrolysis, Refuse Derived Fuel (RDF), Biomethanation, Gasification, Ultra High Temperature Hydrolysis, grate combustion etc. are being used in the Country.

(c): Yes Madam. Energy is being produced using Waste-to-Energy (WtE) plants and compost is being produced by Waste-to-Compost (WtC) plants in various Cities / towns across the Country. However, chemical fertilizers are not produced from the Municipal Solid Waste (MSW). List of functional Waste-to-Energy and Waste-to-Compost plants is placed at Annexure-II.

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ANNEXURE REFERRED TO IN REPLY TO PART (A) OF LOK SABHA UNDTARRED QUESTION NO. 1697 FOR 26.07.2017:
Annexure-I
Municipal Solid Waste Management

S. No.

States Municipal Solid Waste Management
Ward with 100% door to door collection, Nos. Total Wards (Nos.) Total waste generation (MT/D) Total waste Processing (%)
1. Andhra Pradesh 3,072 3,455 6,440 8
2. A&N Islands 24 24 115 23
3. Arunachal Pradesh 18 42 181 15
4. Assam 92 888 650 10
5. Bihar 2,588 3,321 14,820 40
6. Chandigarh UT 26 26 340 100
7. Chhattisgarh 923 3,232 1,896 2
8. Daman & Diu 13 28 85 0
9. Dadra & Nagar Haveli 0 15 35 0
10. NCT of Delhi 232 272 8,400 52
11. Goa 192 192 183 52
12. Gujarat 1,529 1,572 10,145 28
13. Haryana 412 1,449 3,490 25

14. Himachal Pradesh 167 502 300 25
15. Jammu & Kashmir 989 1,163 1,792 2
16. Jharkhand 346 828 2,350 15
17. Karnataka 4,146 5,276 8,784 40
18. Kerala 1,280 3,536 1,576 50
19. Madhya Pradesh 4,136 6,999 5,079 14
20. Maharashtra 748 7,054 26,820 10
21. Manipur 130 315 176 50
22. Meghalaya 6 114 268 58
23. Mizoram 66 193 253 4
24. Nagaland 19 234 270 0
25. Odisha 1,387 1,975 2,460 2
26. Puducherry 81 129 495 20
27. Punjab 2,544 3,093 4,100 22
28. Rajasthan 2,010 5,247 5,247 16
29. Sikkim 4 48 49 0
30. Tamil Nadu 9,182 12,820 15,272 25
31. Telangana 1,766 1,967 6,628 49
32. Tripura 0 244 407 0
33. Uttar Pradesh 3,516 11,290 12,650 13
34. Uttarakhand 270 706 1,400 0.7
35. West Bengal 1,360 28,16 8,675 6
Total /Average 43,274 81,065 1,51,831 23.2

ANNEXURE REFERRED TO IN REPLY TO PART (C) OF LOK SABHA UNDTARRED QUESTION NO. 1697 FOR 26.07.2017:
Annexure-II
Waste to Energy Plants (Functional)

S.No. State Name of the City/ Town Capacity (MW)
1 Maharashtra Pune 10
2 Maharashtra Solapur 30
3 New Delhi Okhla 12
4 New Delhi Ghazipur 16
5 Telangana Karimnagar 12
6 Madhya Pradesh Jabalpur 11.4
7 Delhi Narela-Bawana 24
Total 88.4

Compost plants (Functional)

S.
No. State No. of Urban Local Bodies (ULBs) Plant Capacity (MT per Annum) Compost production (MT per Annum)
1 A.P. 14 27,333 4,351
2 Arunachal Prad. 1 5,000 207
3 Assam 1 5,000 276
4 Chhattisgarh 5 5,200 581
5 Delhi 3 9,500 788
6 Gujarat 12 1,01,250 10,374
7 H.P. 1 1,200 22
8 J&K 1 200 11
9 Jharkhand 1 5,000 581
10 Karnataka 19 2,09,200 29,696
11 Kerala 5 43,700 2,447
12 M.P. 9 62,650 7,161
13 Maharashtra 19 2,79,150 32,065
14 Manipur 1 10,000 221
15 Nagaland 1 5,000 415
16 Odisha 1 10,000 664
17 Punjab 3 1,20,000 8,571
18 Rajasthan 1 25,000 2,212
19 Tamil Nadu 13 1,49,945 10,886
20 Telangana 9 31,100 191
21 Tripura 1 20,000 1,106
22 Uttar Pradesh 14 3,58,000 86,983
23 Uttarakhand 5 3,150 261
24 West Bengal 5 22,850 1,729
Total 145 15,09,428 2,01,801